

Aero Design Ltd.**Work Order Control Sheet**Work Order#: 2015-125 Date Opened: 26 Nov 15 Title: FabricationAircraft OEM: Bell Aircraft Model: 205/212 Product Type: Mounting Beams Product Model: RH Low Quantity: 1 set**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification (Original)
Time Sheet (R&D)
Notes

Initial or N/A

N/A
N/A
JC
JC
JC
JC
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

N/A
N/A

Drawing List

Drawing #	Rev #	Description	Initial or N/A
100605	0	Low Prov. Install	JC
100630	0	Low Fwd Beam	JC
100631	0	Low Aft Beam	JC
100635	0	Struts	JC

Traveller

Initial or N/A

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

1 set
N/A
N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

JC
N/A
N/A
N/A
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JC
N/A
N/A

Note:

Build sheets specific to this model have not been produced at this time.
Fabrication IAW drawings

Work performed by:

Print: Jeff ClarkeSign: [Signature]SCA: AD02Date: 08-Dec-15

ICC / Dual Inspection performed by:

Print: Jason RekveSign: [Signature]SCA: AD01Date: 08-Dec-15

Work Order closed by:

Print: Jeff ClarkeSign: [Signature]SCA: AD02Date: 24-Dec-15

Approved Manufacturing Facility 73-04

Form 20.0.03

Rev. Original 23 Sep 2014



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Guide Tube No. of pieces: 102

Manufacturer: Aero Design Ltd.

Part No.: 69830-11 Serial / Batch No.: 14103

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2015-14

Remaining Tasks to be Performed: Install Inspected-JC AD02

Signature: [Signature]

Date: Feb 16 / 2015 Lic. No. / SCA AD-05

In Process



Aero Design Ltd.

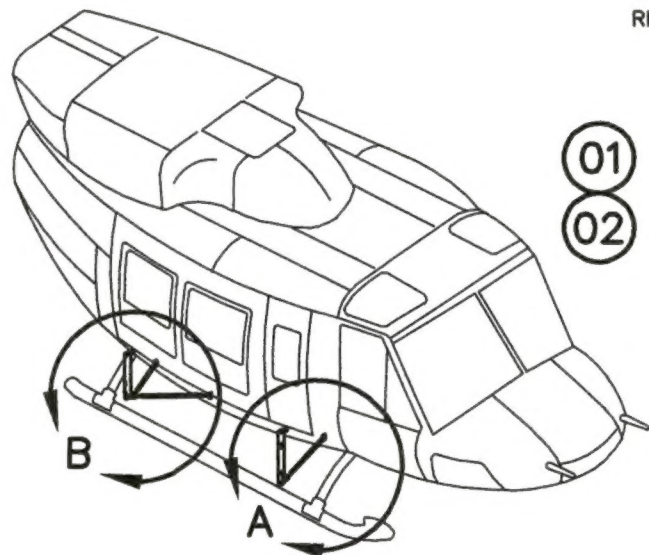
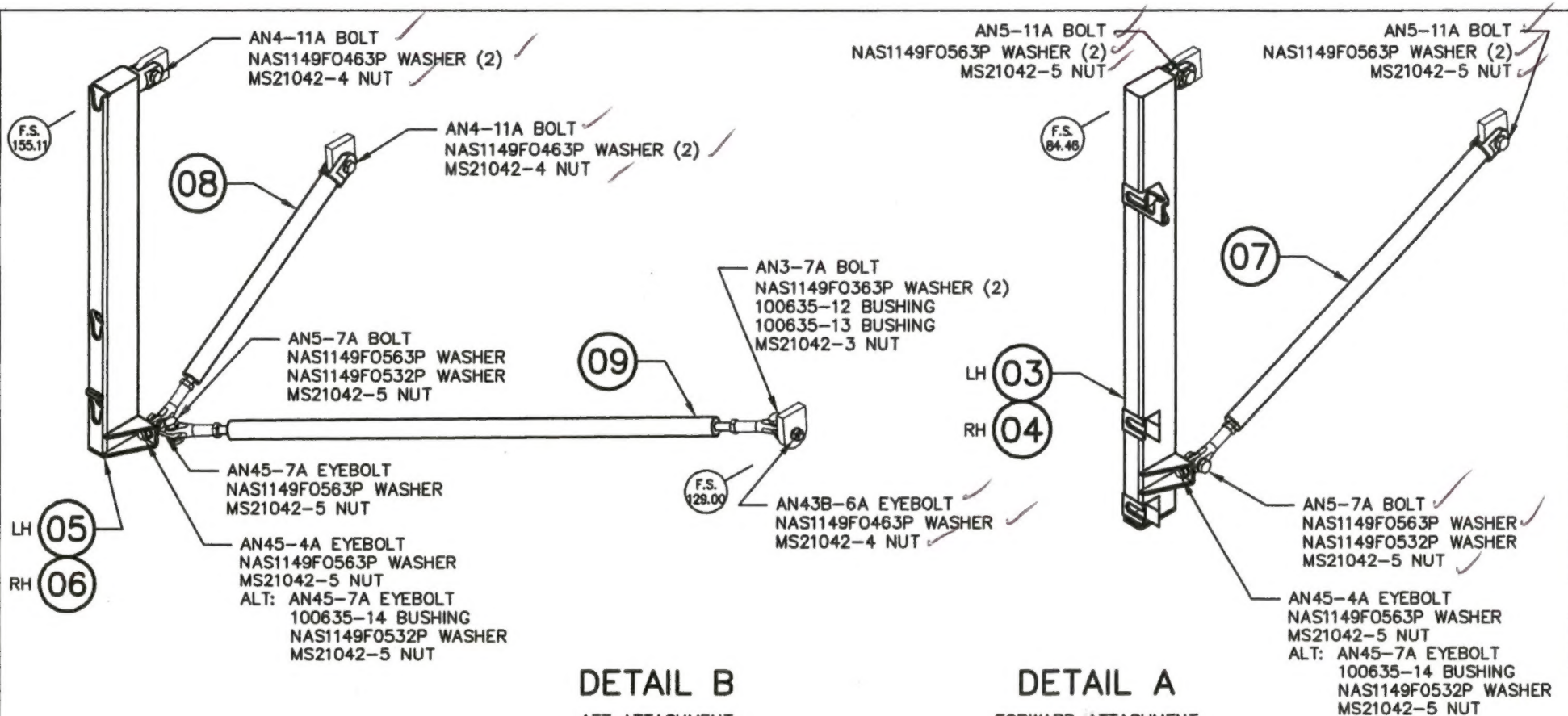
9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca


AMF 73-04

Remarks

In Process



- ① QUICK RELEASE MOUNTING PROVISIONS, LOW, LH
- ② QUICK RELEASE MOUNTING PROVISIONS, LOW, RH

APPROVALS		DATE	
DRAWN: JEFF CLARKE		13 JAN 2015	
CHECKED: JASON REKVE		13 JAN 2015	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1		 <div>AERO DESIGN LTD. 9888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.483.5376 www.aerodesign.ca</div>	
BELL 205A-1, 205B, 212, 412, 412EP, 412CF QUICK RELEASE MOUNTING PROVISIONS LOW MOUNTED INSTALLATION			
NOT TO SCALE		DWG. SIZE	DWG. NO.
SHEET 1 OF 2		A4	100605
			REV. 0



AERO DESIGN LTD.

9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 604.483.2376 www.aerodesign.ca

BELL 205A-1, 205B, 212, 412, 412EP, 412CF
QUICK RELEASE MOUNTING PROVISIONS
LOW MOUNTED INSTALLATION

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		

NOTES:

- SEE INSTRUCTIONS FOR CONTINUED AIRWORTHINESS, ICA751.90, FOR MAINTENANCE INFORMATION.
- INSTALLATION PROCEDURE:
 - INSTALL FORWARD AND AFT BEAM ON UPPER FUSELAGE HARD POINTS. DO NOT FULLY TIGHTEN BOLTS.
 - INSTALL FORWARD AND AFT STRUTS FROM BEAM TO LOWER FUSELAGE HARD POINTS. DO NOT TIGHTEN BOLTS.
 - ALIGN FORWARD AND AFT BEAMS TO BE PARALLEL WHEN VIEWED FROM THE FRONT OR BACK. THREAD CLEVIS ON STRUTS IN OR OUT TO ADJUST.
 - INSTALL DRAG LINK FROM AFT BEAM TO LOWER FUSELAGE HARD POINT AT FS. 129.00. THREAD CLEVIS ON BOTH ENDS IN OR OUT TO ADJUST.
 - ADJUST DRAG LINK FOR CENTRE TO CENTRE SPACING OF BEAMS TO 71.0 INCHES (1803 mm).
 - TIGHTEN ALL FASTENERS AND CHECK NUTS PER NOTE 3.
- TORQUE FASTENERS AS FOLLOWS:
 - AN3 BOLTS: 12-15 IN-LBS (1.36-1.69 N-m)
 - AN4 BOLTS: 30-40 IN-LBS (3.39-4.52 N-m)
 - AN5 BOLTS, AN316-5 CHECK NUTS: 60-85 IN-LBS (6.78-9.60 N-m)
 - AN43 EYE BOLT: 50-70 IN-LBS (5.65-7.91 N-m)
 - AN45 EYE BOLTS: 100-140 IN-LBS (11.30-15.82 N-m)

1	1	MS21042-3	NUT (ALT: MS21042L3, MS21044N3)
3	3	MS21042-4	NUT (ALT: MS21042L4, MS21044N4)
7	7	MS21042-5	NUT (ALT: MS21042L5, MS21044N5)
2	2	NAS1149F0363P	WASHER
5	5	NAS1149F0463P	WASHER
2	2	NAS1149F0532P	WASHER
9	9	NAS1149F0563P	WASHER
1	1	AN3-7A	BOLT
1	1	AN43B-6A	EYE BOLT
2	2	AN4-11A	BOLT
1	1	AN45-7A	EYE BOLT
2	2	AN45-4A	EYE BOLT (ALT: AN45-7A WITH 100635-14 BUSHING)
2	2	AN5-7A	BOLT
2	2	AN5-11A	BOLT
1	1	100635-13	BUSHING
1	1	100635-12	BUSHING
1	1	100635-03	09 DRAG LINK
1	1	100635-02	08 AFT STRUT
1	1	100635-01	07 FORWARD STRUT
1		100631-01-02	06 AFT BEAM, LOW MOUNTED, RH
	1	100631-01-01	05 AFT BEAM, LOW MOUNTED, LH
1		100630-01-02	04 FORWARD BEAM, LOW MOUNTED, RH
	1	100630-01-01	03 FORWARD BEAM, LOW MOUNTED, LH
		100605-01-02	02 QUICK RELEASE MOUNTING PROVISIONS, LOW, RH
		100605-01-01	01 QUICK RELEASE MOUNTING PROVISIONS, LOW, LH
02	01	PART NO.	ITEM DESCRIPTION
QTY	QTY	LIST OF MATERIALS	

WEIGHT AND BALANCE - METRIC

ITEM	DESCRIPTION	WEIGHT (kg)	LONGITUDINAL		LATERAL	
			ARM (mm)	MOMENT (mm-kg)	ARM (mm)	MOMENT (mm-kg)
QUICK RELEASE MOUNTING PROVISIONS INSTALLATION						
01	LOW MOUNTED, LH	5.1	3064	15626	-1164	-5936
02	LOW MOUNTED, RH	5.1	3064	15626	1164	5936

WEIGHT AND BALANCE - STANDARD

ITEM	DESCRIPTION	WEIGHT (LB)	LONGITUDINAL		LATERAL	
			ARM (IN)	MOMENT (LB-IN)	ARM (IN)	MOMENT (LB-IN)
01	QUICK RELEASE MOUNTING PROVISIONS INSTALLATION LOW MOUNTED, LH	11.2	120.64	1351.2	-45.84	-513.4
02	LOW MOUNTED, RH	11.2	120.64	1351.2	45.84	513.4

APPROVALS	DATE
DRAWN: JEFF CLARKE	13 JAN 2015
CHECKED: JASON REKVE	13 JAN 2015



AERO DESIGN LTD.

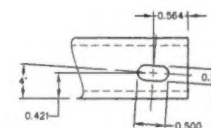
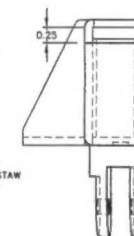
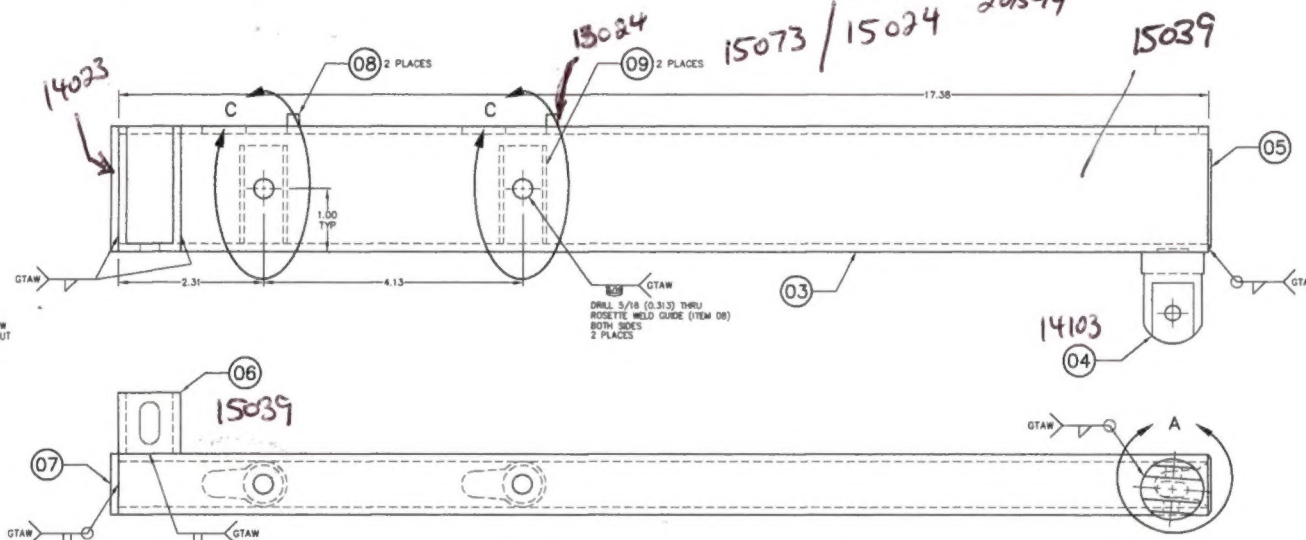
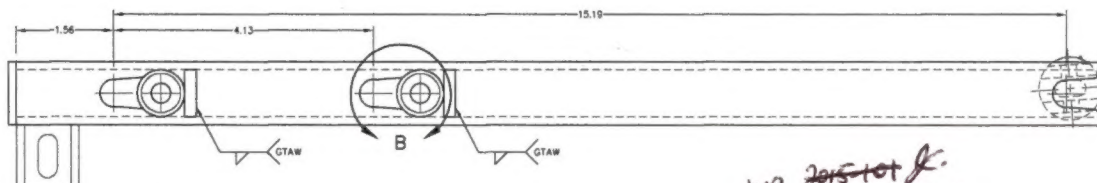
9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 604.483.8376 www.aerodesign.ca

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1

BELL 205A-1, 205B, 212, 412, 412EP, 412CF
QUICK RELEASE MOUNTING PROVISIONS
LOW MOUNTED INSTALLATION

NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 2 OF 2	A4	100605	0

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		

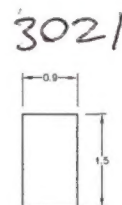


DETAIL A
BEFORE WELDING
SLOT 0.06 DEEP

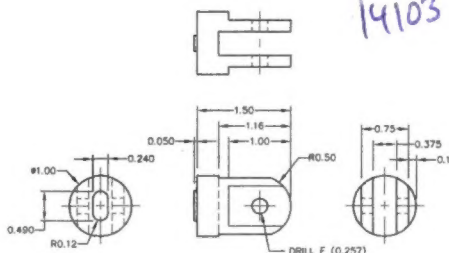
02 RH AFT BEAM
 01 LH AFT BEAM
 RH SHOWN, LH OPPOSITE

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. WELDING OF 304 STAINLESS STEEL TO BE COMPLETED BY GTAW METHOD TO AMS2685C. WELDING ROD SHALL CONFORM TO ER308L OR EQUIVALENT.
3. THOROUGHLY DEGREASE, EPOXY PRIME AND POLYURETHANE PAINT ASSEMBLY AFTER WELDING. ALTERNATE: THOROUGHLY DEGREASE AND POWDER COAT ASSEMBLY AFTER WELDING.



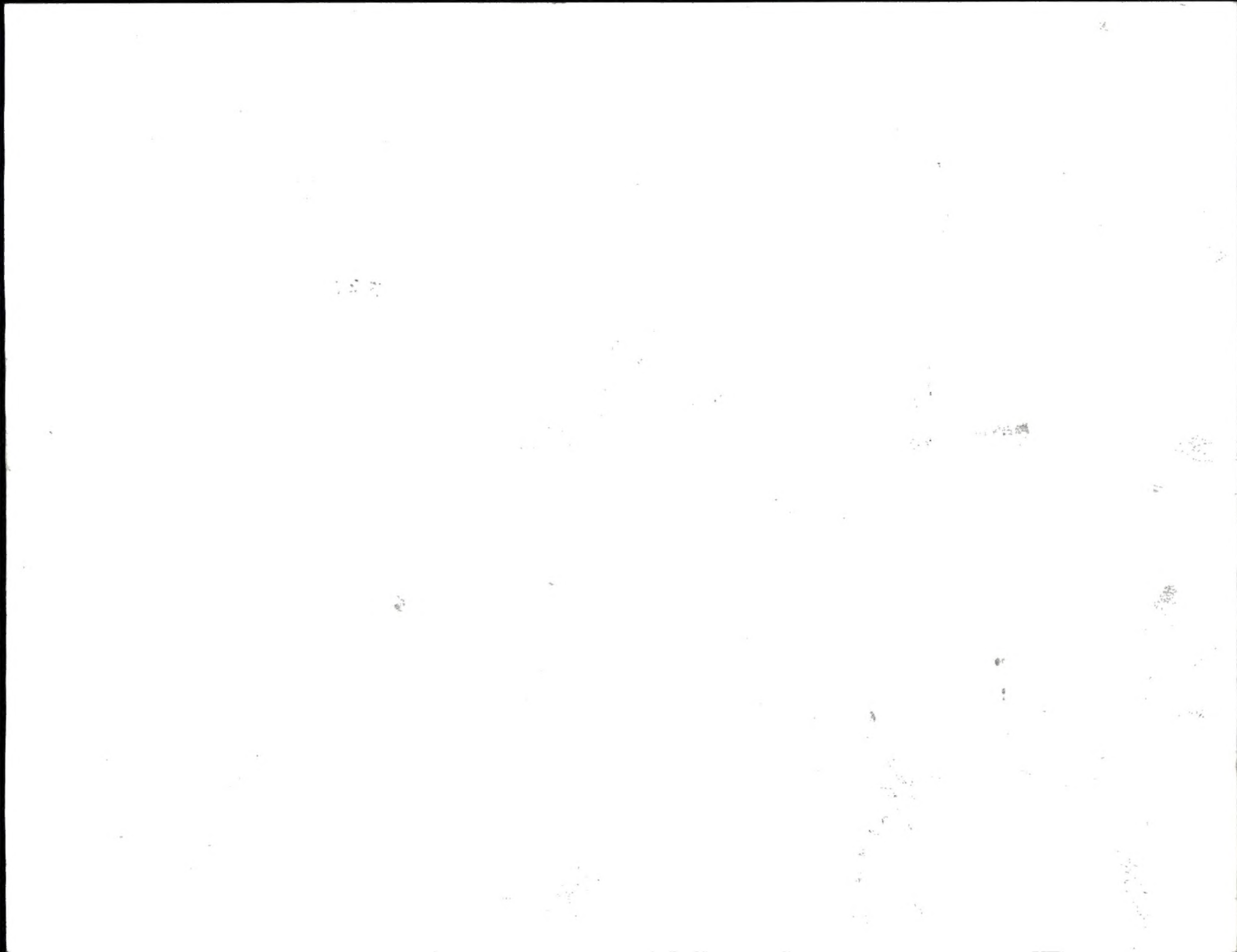
⑤ CAP



④ FITTING

[illegible]

APPROVALS DRAWN: JEFF CLARKE 18 DEC 2014 CHECKED: JASON REKVE 18 DEC 2014		DATE 18 DEC 2014		CUT OF MATERIALS  AERO DESIGN LTD. 8688A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 250-458-3278 www.aerodesign-ltd.ca	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON:		BELL 205, 212, 214, 412 SERIES QUICK RELEASE MOUNTING PROVISIONS AFT BEAM FABRICATION (LOW MOUNT)			
DECIMALS X.XXX ±0.010 X.XX ±0.03 X.X ±0.1		ANGLES ±1/2°		SCALE 1 : 1 SHEET 1 OF 1	
		DIM. SIZE A1 100631		REV: 0	

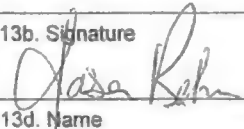




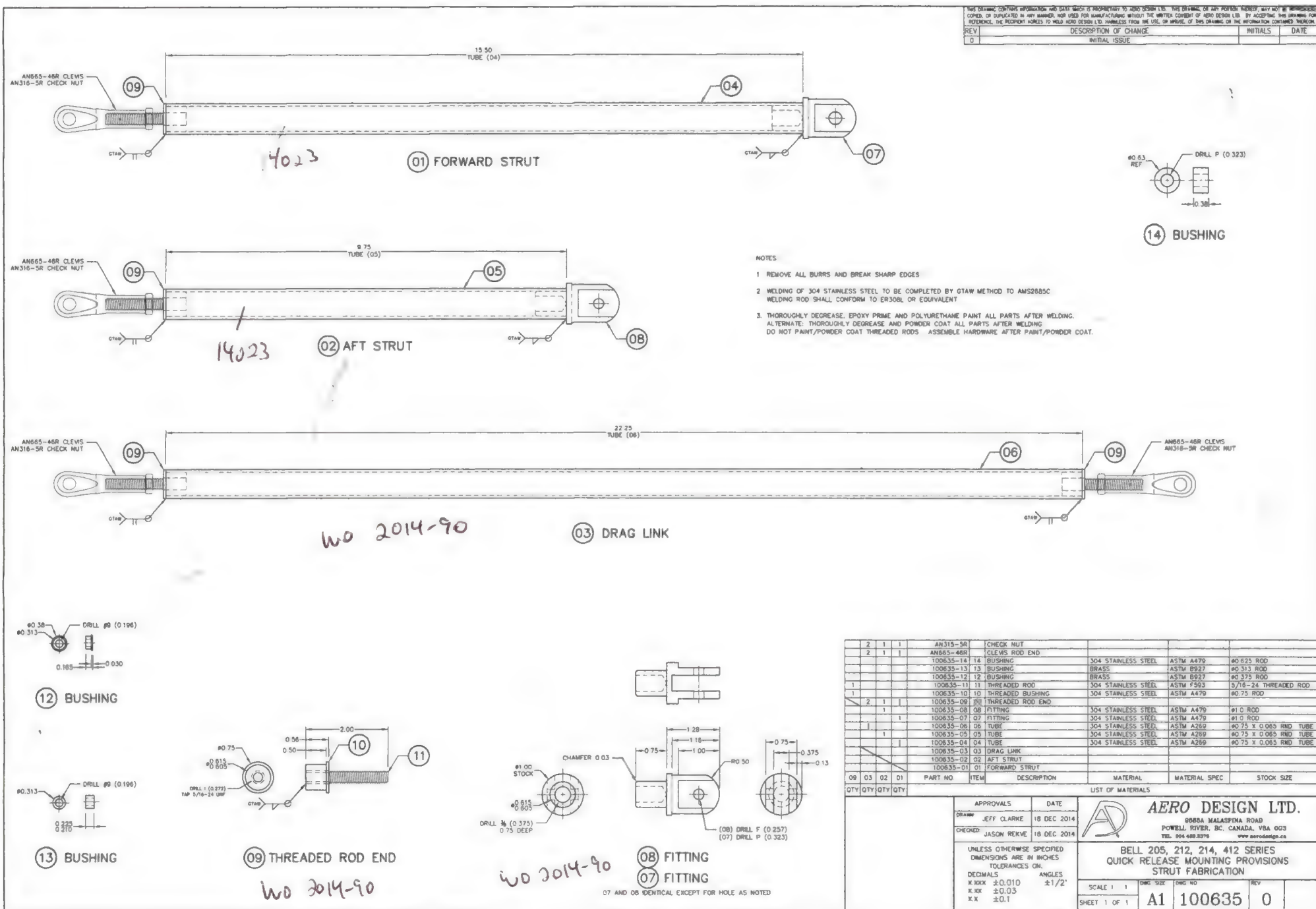
2015-125

WO# 2015-133 JC

gc.
Bracket
Assy

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2015-125	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
	RH Forward Beam	100630-01-02	1	N/A	New	
	RH Aft Beam	100631-01-02	1			
	Forward Strut	100635-01	1			
	Aft Strut	100635-02	1			
	Drag Link	100635-03	1			
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.				<input type="checkbox"/> Other regulation specified in block 12		
<input type="checkbox"/> Non approved design data specified in block 12.				Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jason Rekve - AD01		13e. Date (dd/mmm/yyyy) 24 Dec 2015		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

2015-125





Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Upper Guide (A3350) No. of pieces: 1

Manufacturer: AERO DESIGN

Part No.: 78633-04-01 Serial / Batch No.: PO 15024

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2015-101

Remaining Tasks to be Performed: WELD TO BEAM

Signature: JH Celh.

Date: 06 OCT 2015 Lic. No. / SCA AD02

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Remarks

In Process

PO #
9039



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1
PN: AN665-46R
Aircraft: All
Description: Clevis
Supplier: Blue Sky Industries
Color: N/A
WO#: N/A

Alt:
Model: All

PO# 14084



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1
PN: AN45-4A
Aircraft: All
Description: Eye Bolt
Supplier: Blue Sky Industries
Color: N/A
WO#: N/A

Alt:
Model: All

PO# 14084

**Aero Design Ltd.**

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1
PN: AN665-46R
Aircraft: All
Description: Clevis
Supplier: Blue Sky Industries
Color: N/A
WO#: N/A

Alt:
Model: All

PO# 14084

**Aero Design Ltd.**

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1
PN: AN665-46R
Aircraft: All
Description: Clevis
Supplier: Blue Sky Industries
Color: N/A
WO#: N/A

Alt:
Model: All

PO# 14084

**Aero Design Ltd.**

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1
PN: AN665-46R
Aircraft: All
Description: Clevis
Supplier: Blue Sky Industries
Color: N/A
WO#: N/A

Alt:
Model: All

PO# 14084



WO# N/A

Approved Manufacturing Facility 73-04

Form 20.F.06

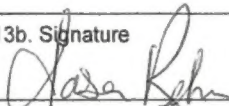
Rev. Original 27 May 2013



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:	1		
PN:	AN45-4A	Alt:	
Aircraft:	All	Model:	All
Description:	Eye Bolt		
Supplier:	Blue Sky Industries		
Color:	N/A		
WO#:	N/A	PO# 14084	

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No.
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2015-125
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
	RH Forward Beam	100630-01-02	1	N/A	New
	RH Aft Beam	100631-01-02	1		
	Forward Strut	100635-01	1		
	Aft Strut	100635-02	1		
	Drag Link	100635-03	1		
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
<input type="checkbox"/> Non approved design data specified in block 12.					
13b. Signature 	13c. Approved Organization Number AMF 73-04		14b. Signature	14c. Approved Organization Number	
13d. Name Jason Rekve - AD01	13e. Date (dd/mmm/yyyy) 24 Dec 2015		14d. Name	14e. Date (dd/mmm/yyyy)	
Installer Responsibilities					
This certificate does not constitute authority to install.					
Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.					
Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

AIR SPAN



WO# N/A

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013